Hyper-V (VM)

Add a Hyper-V virtual machine

virtual machine folder on your harddisk.

Next, a Hyper-V machine needs to be created. Start the Hyper-V-Manager, right click on your PCs node in the left tree and open the dialog wizard for the machine generation ("New" \rightarrow "Virtual Machine"):

The archive contains the DietPi README.md, the .vhdx virtual disk image and a hash.txt, which

In the following wizard you have to set the following:

- 1. Give your machine a name ("Specify Name and Location")
- 2. Select the Hyper-V Generation: Select Generation 1 ("Specify Generation")
- 3. Choose your RAM size (e.g. 2048 MB)
- 4. If you have already configured a network, select your network. Otherwise let it "Not connected" and change it afterwards
- 5. Choose to use the extracted .vhdx Hyper-V disc file (see above)

If you have not set up any network connection, go on with the **Virtual Switch Manager** and add a network. Select that network in your virtual machine settings afterwards.



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	Neu	>	Virtueller Computer		
/	Virtuellen Computer importieren		Festplatte		
	Hyper-V Settings		Diskette		
	Manager für virtuelle Switches	T			
	Manager für virtuelle SANs				
	Datenträger bearbeiten				
	Datenträger überprüfen	_	Kein virtueller Computer ausg		
	Dienst beenden				
	Server entfernen				
	Aktualisieren				
	Ansicht	>			
	Hilfe				

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	Datenträger überprüfen	
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First boot of the new Hyper-V machine

First, click on *Connect* to open a window of the virtual machine:

Name	Phase	CPU-Auslast	Zugewiesener Spei	Betriebs
DietPi-Hyper-V	Verbinden			
	Einstellungen	63		
	Starten			
	Prüfpunkt			
Prüfpunkte	Verschieben Exportieren			
F	Umbenennen Löschen	outer sind keir	ne Prüfpunkte vorhanden	
	Hilfe			

Then press **Start** to boot up the machine:



After this, your machine should boot up.

You must disable IPv6 when the host uses WiFi

Sometimes the VM has difficulties to connect to the internet. This is reported in a network bridged mode and when the host connects to the internet via WiFi: In these cases the IPv6 routing between the VM and the internet fails (e.g. see there). A typical result is, that the system does not find the update server (e.g. at the very first update run). This is then signaled during the "apt update" procedure of the first boot startup.

To overcome this, open a subshell (or an additional ssh window), start dietpi-config and disable IPv6 within the Network options.



Then exit dietpi-config. After this the first time installer procedure should run again from the start.

Additional information / troubleshooting

Network connection not found

In the case that you did not setup your network configuration properly, the booting procedure will not find a network connection and may respond with this boot console output:

initramfs: Couldn't load /padlock–aes.ko: No such device														
[1.027840]	piix4_smbus 0000:0	00:07.3:	SMBus base a	dd	ress unir	nitia	alized	– upgrad	ສe BIOS or ເ	use ford	ce_addr=0xad	ldr	
[1.639974]	DietPi-PreBoot[274	4]: DietP	i–CPU_set	СΡ	U governa	ors a	are not	t support	ted on this	device.	. Aborting		
[1.691377]	DietPi-Boot[285]:	[INFO]	DietPi-Boot		Waiting	for	valid	network	connection	before	continuing	boot	Mode=1
[2.704561]	DietPi-Boot[285]:	[INFO]	DietPi-Boot		Waiting	for	valid	network	connection	before	continuing	boot	Mode=1
[3.707946]	DietPi-Boot[285]:	[INFO]	DietPi-Boot		Waiting	for	valid	network	connection	before	continuing	boot	Mode=1
[4.710765]	DietPi-Boot[285]:	[INFO]	DietPi-Boot		Waiting	for	valid	network	connection	before	continuing	boot	Mode=1
[5.713712]	DietPi-Boot[285]:	[INFO]	DietPi-Boot		Waiting	for	valid	network	connection	before	continuing	boot	Mode=1
[6.716464]	DietPi-Boot[285]:	[INFO]	DietPi-Boot		Waiting	for	valid	network	connection	before	continuing	boot	Mode=1
[7.719350]	DietPi-Boot[285]:	[INFO]	DietPi-Boot		Waiting	for	valid	network	connection	before	continuing	boot	Mode=1
[8.722966]	DietPi-Boot[285]:	[INFO]	DietPi-Boot		Waiting	for	valid	network	connection	before	continuing	boot	Mode=1
[9.725623]	DietPi-Boot[285]:	[INFO]	DietPi-Boot		Waiting	for	valid	network	connection	before	continuing	boot	Mode=1
[10.728200]	DietPi-Boot[285]:	[INFO]	DietPi-Boot		Waiting	for	valid	network	connection	before	continuing	boot	Mode=1
[11.731769]	DietPi-Boot[285]:	[FAILED]	DietPi-Boot		Waiting	for	valid	network	connection	timed (out		

Then you have to check and repair your network configuration within the Virtual Switch Manager.

Generate a Hyper-V Generation 2 machine

An option to get a Hyper-V Generation 2 machine is to generate your own Hyper-V image via a **Debian network installation** (booting the Hyper-V machine from a Debian netinst.iso installer like you would do it on a PC). Install a minimal Debian machine (i.e. no X11 desktops, etc.). Afterwards run the procedure described in section "Make your own distribution". Generation 2 machines support (and require) to boot in UEFI mode, support Secure Boot, TPM, use modern SCSI controllers and have higher hardware limits. For use as a home server, however, you will not need any of these functions.

Continue with LoxBerry Installation

 \rightarrow Now please continue with the LoxBerry Installation.

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